

Lily Davoren  
CMSC 283  
Lab 3

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import pandas as pd

homes = pd.read_csv('homes.csv')

df = pd.DataFrame(homes)

df['size'] = [round(x) for x in df['size']]

df['price'] = [0 if x < 0 else x for x in df['price']]

df['year'] = [(x + 1900) if x < 100 else x for x in df['year']]

df['zipcode'] = [str(x)[0:5] if len(str(x)) > 5 else x for x in df['zipcode']]

def modern(df):
    if df.year >= 2012:
        return 'yes'
    else:
        return 'no'

df['modern'] = df.apply(modern, axis = 1)

def psf(df):
    return round(df.price/df['size'])

df['psf'] = df.apply(psf, axis = 1)

print(df)
```

	zipcode	price	year	size	modern	psf
0	19123	500000	2012	2735	yes	183
1	19123	445000	2003	1739	no	256
2	19103	800000	1998	2280	no	351
3	19103	999999	1974	3820	no	262
4	19104	670000	2020	2202	yes	304
5	19000	0	1988	1000	no	0